AMENDMENTS IN THE CLAIMS

1. (currently amended) A system for enabling selection of appropriate, available resources for a hardware component of a data processing system ~~during system boot via a read only medium~~, said system comprising:

means for detecting a type of said hardware component during system boot of the data processing system via a read only medium (ROM);

means for dynamically creating a RAM symlink file on a RAM of said data processing system, wherein said RAM symlink file includes functionality for responding to a receipt of an activation trigger by pointing to a selected resource file on said read only medium that enables correct operation of said type of said hardware component;

means~~, responsive to said detecting step,~~ for dynamically selecting the resource file on the ROM from among multiple available resources located on said ROM and setting an object of ~~a second~~ the RAM symlink file to ~~a particular~~ the selected resource file ~~required for a correct operation of said type of said hardware component~~;

means for triggering the activation of said ~~second~~ RAM symlink file using a ROM symlink file on said read only medium, wherein the ROM symlink file is pre-programmed with the address of the RAM symlink file as its object and said ROM symlink file is executed during said system boot via the ROM to trigger/activate its object file, which is the RAM symlink file;

means, responsive to receipt of the activation from the ROM symlink file by the RAM symlink file ~~said triggering step~~, for selecting, via said ~~second~~ RAM symlink file, the object of the RAM symlink file which object is the selected [[a]] resource~~ that corresponds to said object of said second symlink file from among multiple available resources located on said read only medium~~; and

means for ~~implementing~~ linking said selected resource to support said hardware component during operation within [[of]] said data processing system.

2. (currently amended) The system of Claim 1, further comprising:

means for first initiating a boot process from said read only medium on said data processing system~~; and~~

~~means for creating said second symlink file on a RAM of said data processing system subsequent to said detecting step, wherein said second symlink file is provided with the~~

~~capability to receive a trigger and respond to the receipt of said trigger by pointing to a particular resource file on said read-only medium that supports said hardware component~~.

3. (canceled)

4. (currently amended) The system of Claim 3, wherein said selected resource has a particular configuration file that is preferred and said RAM and ROM symlink files are first and second symlink files, respectively, said system further comprising:

means for creating a third symlink file on said RAM;

means for determining which configuration file is preferred for said selected resource from among multiple configuration files available for selection on said ROM;

means, responsive to the determination of a preferred configuration file, for setting an object of said third symlink file to said preferred configuration file; and

means for activating an execution of said third symlink file, wherein said preferred configuration file is selected for said resource during operation of said particular type of hardware component ~~hardware component is a video driver~~ .

5. (currently amended) The system of Claim [[4]] 1, wherein said hardware component is a video driver and said resource is an XServer, and said selecting means selects a particular XServer from among a plurality of XServers, wherein said selected XServer is a preferred XServer for the particular type of said video driver.

6. (currently amended) The system of Claim 5, wherein said selected XServer has a particular configuration file that is preferred, said system further comprising:

means for creating a third symlink file on said RAM;

means for determining which particular configuration file is preferred for said selected XServer from among multiple configuration files available for selection on said read only medium;

means, responsive to ~~said determining step~~ the determination of a particular configuration file, for setting an object of said third symlink file to said particular configuration file; and

means for activating an execution of said third symlink file, wherein said particular configuration file is selected for said XServer during operation of said particular type of hardware component.

7. (currently amended) The system of Claim [[3]] 1, wherein said resource is a configuration file, and said selecting means selects a particular configuration file from among a plurality of configuration files located on said read only medium, wherein a selected configuration file is a preferred configuration file for said type of said hardware component.

8. (currently amended) The system of Claim [[3]] 1, wherein said resource comprises a particular XServer and a particular configuration file, wherein:

said creating means creates a third symlink file on said RAM;

said dynamically setting means includes means for dynamically setting a first object of [[a]] the RAM ~~second~~ symlink file ~~located on a RAM of said data processing system~~ to [[a]] the particular XServer and dynamically setting a second object of [[a]] the third symlink file to [[a]] the particular configuration file, both required for a correct operation of said hardware component;

said selecting means includes means for respectively selecting said particular XServer and said particular configuration file from among multiple available XServers and configuration files located on said read only medium that corresponds to said first object and said second object, respectively; and

said ~~implementing~~ linking means~~, implements~~ links said selected XServer and configuration file to support said hardware component during operation of said data processing system.

9. (original) The system of Claim 1, wherein said read only medium is a CD ROM and said first symlink file is boot CD symlink file.

10. (currently amended) A computer program product comprising:

a computer readable medium;

program code on said computer readable medium for enabling selection of appropriate, available resources for a hardware component of a data processing system during system boot via a read only medium, said program code comprising code for:

detecting a type of said hardware component during system boot of the data processing system via a read only medium (ROM);

dynamically creating a RAM symlink file on a RAM of said data processing system, wherein said RAM symlink file includes functionality for responding to a receipt of an activation trigger by pointing to a selected resource file on said read only medium that enables correct operation of said type of said hardware component;

~~responsive to said detecting step,~~ dynamically selecting the resource file on the ROM from among multiple available resources located on said ROM and setting an object of ~~a second~~ the RAM symlink file to ~~a particular~~ the selected resource file ~~required for a correct operation of said type of said hardware component~~;

triggering the activation of said ~~second~~ RAM symlink file using a ROM symlink file on said read only medium, wherein the ROM symlink file is pre-programmed with the address of the RAM symlink file as its object and said ROM symlink file is executed during said system boot via the ROM to trigger/activate its object file, which is the RAM symlink file;

responsive to receipt of the activation from the ROM symlink file by the RAM symlink file ~~said triggering step,~~ selecting, via said ~~second~~ RAM symlink file, the object of the RAM symlink file which object is the selected [[a]] resource ~~that corresponds to said object of said second symlink file from among multiple available resources located on said read only medium~~; and

~~implementing~~ linking said selected resource to support said hardware component during operation within [[of]] said data processing system.

11. (currently amended) The computer program product of Claim 10, further comprising program code for:

first initiating a boot process from said read only medium on said data processing system~~; and~~

~~creating said second symlink file on a RAM of said data processing system subsequent to said detecting step, wherein said second symlink file is provided with the capability to receive a trigger and respond to the receipt of said trigger by pointing to a particular resource file on said read only medium that supports said hardware component~~.

12. (currently amended) The computer program product of Claim 11, wherein said selected resource has a particular configuration file that is preferred and said RAM and ROM symlink files are first and second symlink files, respectively, said program code ~~for triggering includes~~ further comprising code for:

creating a third symlink file on said RAM;

determining which configuration file is preferred for said selected resource from among multiple configuration files available for selection on said ROM;

responsive to the determination of a preferred configuration file, setting an object of said third symlink file to said preferred configuration file; and

activating an execution of said third symlink file, wherein said preferred configuration file is selected for said resource during operation of said particular type of hardware component ~~executing a first symlink file on said read only medium, wherein said first symlink file has said second symlink file as its object~~.

13. (currently amended) The computer program product of Claim [[12]] 10, wherein said hardware component is a video driver, said resource is an XServer, and said program code for selecting includes code that selects a particular XServer from among a plurality of XServers, wherein said selected XServer is a preferred XServer for the particular type of said video driver.

14. (currently amended) The computer program product of Claim 13, wherein said selected XServer has a particular configuration file that is preferred, said computer program product further comprising program code for:

creating a third symlink file on said RAM;

determining which particular configuration file is preferred for said selected XServer from among multiple configuration files available for selection on said read only medium;

responsive to said determining step, setting an object of said third symlink file to said particular configuration file; and

activating an execution of said third symlink file, wherein said particular configuration file is selected for said XServer during operation of said particular type of hardware component.

15. (currently amended) The computer program product of Claim [[12]] 10, wherein said resource is a configuration file, and said program code for selecting includes code that selects a particular configuration file from among a plurality of configuration files located on said read only medium, wherein a selected configuration file is a preferred configuration file for said type of said hardware component.

16. (currently amended) The computer program product of Claim [[12]] 10, wherein said resource comprises a particular XServer and a particular configuration file, wherein:

said program code for creating creates a third symlink file on said RAM;

said program code for dynamically setting includes code for dynamically setting a first object of [[a]] the RAM ~~second~~ symlink file ~~located on a RAM of said data processing system~~ to [[a]] the particular XServer and dynamically setting a second object of [[a]] the third symlink file to [[a]] the particular configuration file, both required for a correct operation of said hardware component;

said program code for selecting includes code for respectively selecting said particular XServer and said particular configuration file from among multiple available XServers and configuration files located on said read only medium that corresponds to said first object and said second object, respectively; and

said program code for ~~implementing implements~~ linking links said selected XServer and configuration file to support said hardware component during operation of said data processing system.

17. (original) The computer program product of Claim 10, wherein said computer readable medium is a CD ROM and said first symlink file is a boot CD symlink file.

18. (currently amended) A method for enabling selection of appropriate, available resources for a hardware component of a data processing system during system boot via a read only medium, said method comprising:

detecting a type of said hardware component during system boot of the data processing system via a read only medium (ROM);

dynamically creating a RAM symlink file on a RAM of said data processing system, wherein said RAM symlink file includes functionality for responding to a receipt of an activation trigger by pointing to a selected resource file on said read only medium that enables correct operation of said type of said hardware component;

~~responsive to said detecting step,~~ dynamically selecting the resource file on the ROM from among multiple available resources located on said ROM and setting an object of ~~a second~~ the RAM symlink file to ~~a particular~~ the selected resource file ~~required for a correct operation of said type of said hardware component~~;

triggering the activation of said ~~second~~ RAM symlink file using a ROM symlink file on said read only medium, wherein the ROM symlink file is pre-programmed with the address of the RAM symlink file as its object and said ROM symlink file is executed during said system boot via the ROM to trigger/activate its object file, which is the RAM symlink file;

responsive to receipt of the activation from the ROM symlink file by the RAM symlink file ~~said triggering step,~~ selecting, via said ~~second~~ RAM symlink file, the object of the RAM symlink file which object is the selected [[a]] resource ~~that corresponds to said object of said second symlink file from among multiple available resources located on said read only medium~~; and

~~implementing~~ linking said selected resource to sup ort said hardware component during operation within [[of]] said data processing system.

19. (currently amended) The method of Claim 18, further comprising:

first initiating a boot process from said read only medium on said data processing system~~;~~ ~~and~~

~~creating said second symlink file on a RAM of said data processing system subsequent to said detecting step, wherein said second symlink file is provided with the capability to receive a trigger and respond to the receipt of said trigger by pointing to a particular resource file on said read only medium that supports said hardware component~~.

20. (currently amended) The method of Claim 19, wherein said selected resource has a particular configuration file that is preferred and said RAM and ROM symlink files are first and second symlink files, respectively, said ~~triggering step includes~~ method further comprising:

creating a third symlink file on said RAM;

determining which configuration file is preferred for said selected resource from among multiple configuration files available for selection on said ROM;

responsive to the determination of a preferred configuration file, setting an object of said third symlink file to said preferred configuration file; and

activating an execution of said third symlink file, wherein said preferred configuration file is selected for said resource during operation of said particular type of hardware component ~~executing a first symlink file on said read only medium, wherein said first symlink file has said second symlink file as its object~~.

21. (currently amended) The method of Claim [[20]] 18, wherein said hardware component is a video driver, said resource is an XServer, and said selecting step selects a particular XServer from among a plurality of XServers, wherein said selected XServer is a preferred XServer for the particular type of said video driver.

22. (currently amended) The method of Claim [[20]] 21, wherein said selected XServer has a particular configuration file that is preferred, said method further comprising:

creating a third symlink file on said RAM;

determining which particular configuration file is preferred for said selected XServer from among multiple configuration files available for selection on said read only medium;

responsive to said determining step, setting an object of said third symlink file to said particular configuration file; and

activating an execution of said third symlink file, wherein said particular configuration file is selected for said XServer during operation of said particular type of hardware component.

23. (currently amended) The method of Claim [[20]] 18, wherein said resource is a configuration file, and said selecting step selects a particular configuration file from among a plurality of configuration files located on said read only medium, wherein a selected configuration file is a preferred configuration file for said type of said hardware component.

24. (currently amended) The method of Claim 20, wherein said resource comprises a particular XServer and a particular configuration file, wherein:

said creating step creates a third symlink file on said RAM;

said dynamically setting step includes dynamically setting a first object of [[a]] the RAM ~~second~~ symlink file ~~located on a RAM of said data processing system~~ to [[a]] the particular XServer and dynamically setting a second object of [[a]] the third symlink file to [[a]] the particular configuration file, both required for a correct operation of said hardware component;

said selecting step includes respectively selecting said particular XServer and said particular configuration file from among multiple available XServers and configuration files located on said read only medium that corresponds to said first object and said second object, respectively; and

said ~~implementing~~ linking step ~~implements~~ links said selected XServer and configuration file to support said hardware component during operation of said data processing system.

25. (original) The method of Claim 18, wherein said computer readable medium is a CD ROM and said first symlink file is a boot CD symlink file.